

IN THE CLAIMS:

1. ~~(Currently Amended) Configuration~~ A configuration method for an automation module (10) on a TCP/IP network (5) to which at least one item of automation equipment (20) ~~is also~~ is connected, ~~characterized in that the configuration method comprises the following steps~~ the method in sequence comprising:

• ~~A preliminary step (A) in which~~ assigning an application name (40) ~~is assigned, this~~ for the automation module, said application name being unique on the TCP/IP network; ~~(5) for the automation module (10).~~

• ~~An addressing step (B) in which~~ sending by the automation module (10) ~~sends a request address query (17) on the TCP/IP network (5), containing the request address query comprising the~~ application name (40) of the automation module (10) and ~~conform~~ being in conformance with the DHCP protocol; and

• ~~A configuration step (C) in which~~ sending by the automation module (10) ~~sends a read configuration query (18) conform~~ in conformance with the FTP or TFTP protocol, on the TCP/IP network (5), to an FTP/TFTP server ~~(24, 34).~~

2. ~~(Currently Amended) Configuration~~ The configuration method according to claim 1, ~~characterized by the fact that the DHCP server (23) is installed in~~wherein one of said automation equipment (20) ~~connected to the TCP/IP network (5).~~comprises a DHCP server compliant with DHCP protocol.

3. ~~(Currently Amended) Configuration~~ The configuration method according to claim 1, ~~characterized by the fact that the FTP/TFTP server (24, 34) is installed in~~wherein one of said automation equipment (20, 30) ~~connected to the TCP/IP network (5).~~comprises an FTP/TFTP server.

4. ~~(Currently Amended) Configuration~~ The configuration method according to claim 1, ~~characterized by the fact that during the addressing step (B),~~wherein sending by the automation module further comprises the automation module (10) ~~receives~~receiving a response (27) ~~to the request address query (17) from the a DHCP server (23),~~ said response containing an IP ~~addressing (41)~~address and a location (42) ~~of a data file (46) specific to the automation module (10), making it possible to go~~

~~on to configuration step (C).~~ sending by the automation module a read configuration query.

5. (Currently Amended) ~~Configuration~~ The configuration method according to claim 4, ~~characterized by the fact that~~ wherein the read configuration query (18) uses the location (42) of the data file for the automation module (10).

6. (Currently Amended) ~~Configuration~~ The configuration method according to claim 5, ~~characterized by the fact that during the configuration step (C),~~ additionally comprising sending by the automation module a read configuration query receiving by the automation module (10) receives a response (38) to the read configuration query (18) from the FTP/TFTP server (24, 34), the response containing the data file (46) for the automation module (10), such so that the automation module can then change to an operational state.

7. (Currently Amended) ~~Configuration~~ The configuration method according to claim 6, ~~characterized by the fact that~~ wherein the data file (46) of an the automation module is identified ~~using by~~ the application name (40) of the automation module (10).

8. (Currently Amended) ~~Configuration~~ The configuration method according to claim 6, ~~characterized by the fact that~~ wherein when an the automation module (10) is in the an operational state, ~~it can send~~ the automation module sends a write configuration query on its own initiative to the FTP/TFTP server (24, 34) to update or save all or some of ~~its~~ the automation module data file (46).

9. (Currently Amended) ~~Configuration~~ The configuration method according to claim 6, ~~characterized by the fact that~~ wherein when an the automation module (10) is in the an operational state, ~~it can send~~ the automation modules sends a read configuration query on its own initiative to the FTP/TFTP

Serial No. 09/973,068

server (24, 34) to check or reload all or some of ~~its~~ the  
automation module data file (46).

10. (Currently Amended) Automation assembly ~~capable of~~ for  
implementing a method of configuring an automation module (10)  
according to claim 1, the automation assembly comprising at  
least one automation module (10) connected to a TCP/IP network  
(5) and equipped with a first processing unit (12) ~~which is~~  
connected to a first storage means (15) and to a first network  
communication interface (11), ~~characterized by the fact~~  
~~that~~ wherein the automation module (10) ~~is capable of~~  
~~memorizing for storing~~ an application name (40) specific to the  
automation module (10) in ~~its~~ the first storage means (15), and  
~~can execute for~~ executing a DHCP client (13) process and an  
FTP/TFTP agent (14) process in ~~its~~ the first processing unit  
(12).

11. (Currently Amended) ~~Automation~~ The automation assembly according to claim 10, comprising first automation equipment ~~(20) that is connected to the TCP/IP network (5) and that is~~ equipped with a second processing unit (22) connected to a second storage means (25) and to a second network communication interface, (21) ~~characterized by the fact that wherein~~ the first automation equipment ~~(20) can execute~~ is for executing a DHCP server ~~(22) process in its the second processing unit (22) and~~ can ~~memorize~~ for memorizing a configuration table ~~(45) in its~~ said second storage means (25), thereby associating the application name ~~(40) of at least one DHCP client (13) process~~ with an IP ~~addressing (41)~~ address and a location ~~(42) of a data~~ file.

12. (Currently Amended) ~~Automation~~ The automation assembly according to claim 11, comprising a second automation equipment ~~(30) that is connected to the TCP/IP network (5) and that is~~ ~~provided with~~ comprising a third processing unit (32) connected to a third storage means (35) and to a third network communication interface (31), ~~characterized by the fact~~

~~that~~wherein the second automation equipment (30) ~~can execute~~is  
for executing an FTP/TFTP server (34)~~process~~ in its processing  
unit (32)~~and can memorize~~for memorizing a data file (46)  
corresponding to at least one FTP/TFTP agent (14)~~process~~ in its  
said third storage means~~(35)~~.

13. (Currently Amended) ~~Automation~~ The automation assembly  
according to claim 11, ~~characterized by the fact that~~ wherein  
the first automation equipment (20) ~~can execute~~is for executing  
an FTP/TFTP server (24) ~~in its~~ said second processing unit (22)  
and ~~can memorize~~for storing a data file (46) ~~corresponding to at~~  
least one FTP/TFTP agent (14) ~~in its~~ said second storage means  
(25).